

Work Order ID 93247

November-15-12 10:23:16 AM

93247

350
Page 1

Item ID: 646.3301

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Upper Cutter Assembly

Stop

NS2

Start Date: 11/15/12 Start Qty: 20.00

20

Cust Item ID:

Required Date: 12/07/12 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals: Process Plan: ML5

Date: 12-11-15

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr								
646.3300	N/C								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									

120

0.00

120

Small Fab

Small Fab

Memo

0.00

Two fastener must be install finger-tight (see note 9)

Assemble as per dwg and apply loctite 598 on all mating surfaces shown on dwg
per note 7.

A/R LOCTITE 598: 124993

13-03-20

13-04-08

20

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order ID 93247

93247

Page 2

November-15-12 10:23:16 AM

Item ID: 646.3301

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Upper Cutter Assembly

Stop

NS2

Start Date: 11/15/12 Start Qty: 20.00

20

Cust Item ID:

Required Date: 12/07/12 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals:

Process Plan:

Date: _____

Tooling:

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N):

Date: _____

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

130

QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

DAS

16

13/4/10

(20)

140

Identify as per dwg & Stock Location: ST545 0.00

140

Packaging

Packaging

Memo

0.00

***IDENTIFY AS PER APICAL MPP-120 BY STAMPING THE P# AND
REV***

150

QC21- Final Inspection - Work Order Release

0.00

150

QC

Quality Control

Memo

0.00

20X

8
13-4-10

13/4/10 48

MF
13-4-10

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other			
Part No. _____										
NCR No. _____										
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other						

Picklist Print

November-15-12 10:23:15 AM

Page 1

Work Order ID: 93247

Parent Item: 646.3301

Parent Item Name: Upper Cutter Assembly

Start Date: 11/15/12

Required Date: 12/07/12

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP REV:A 12.10.19 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3310 LH Half		Manufactured	No	93936		110	Each	0.0000	1	20	20	13-04-08	
646.3311 RH Half		Manufactured	No	93906		110	Each	0.0000	1	20	20	13-04-08	
646.3312 Center Plate		Manufactured	No	93842		110	Each	0.0000	1	20	20	13-04-08	
646.3313 Upper Guide		Manufactured	No	93261		110	Each	0.0000	1	20	20	13-04-08	
646.3314 Blade		Manufactured	No	92894		110	Each	0.0000	1	20	10	13-04-08	
646.3315 Blade		Manufactured	No	92773		110	Each	0.0000	1	20	10	13-04-08	
646.3316 Blade		Manufactured	No	92895		110	Each	0.0000	1	20	10	13-04-08	
NAS1149FN832P Washer		Purchased	No	92774		110	Each	0.0000	1	20	10	13-04-08	
				92896		110	Each	0.0000	1	20	10	13-04-08	
				92775		110	Each	923.0000	36	720			

Location	Loc Qty	Loc Code
275	198	
122441	198	
ST275	125	
115158	125	
ST294	600	
123352	200	
123522	400	

M123900

720 13-03-20

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Part No. _____											
NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector	
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
<input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio							
				<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge							
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							
				<input type="checkbox"/> Other							

Picklist Print

November-15-12 10:23:15 AM

Page 2

Work Order ID: 93247

Parent Item: 646.3301

Start Date: 11/15/12

Required Date: 12/07/12

Parent Item Name: Upper Cutter Assembly

Start Qty: 20.00

Required Qty: 20.00

MS21042L08

Purchased

No

110

Each

860.0000

18

360

Nut

Location

Loc Qty

Loc Code

315 M123900

9

360

ST 13-03-20

122452

9

ST315

500

122814

500

ST317

351

122141

351

NAS1149F0332P

Purchased

No

110

Each

1,138.0000

6

120

WASHER

Location

Loc Qty

Loc Code

275

162

122441

162

ST275

776

117735

13

119225

8

121259

138

121825

14

122063

600

17317

3

ST295

200

123352

200

AN3-12A

Purchased

No

110

Each

79.0000

2

40

Bolt

Location

Loc Qty

Loc Code

ST351

79

114536

1

121825

10

122407

18

123352

50

40

ST 13-03-20

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Part No. _____											
NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							

Picklist Print

November-15-12 10:23:15 AM

Page 3

Work Order ID: 93247

Parent Item: 646.3301

Parent Item Name: Upper Cutter Assembly

Start Date: 11/15/12

Required Date: 12/07/12

MS21042L3

Purchased

No

110

Each

2,276.0000

3

60

Nut

	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
316	123900	541		60	ST 13-03-20
	122452	541			
ST300		225			
	117885	32			
	119017	55			
	119075	138			
ST314		1189			
	123265	1189			
ST317		321			
	122141	321			

MS27039-08-19

Purchased

No

110

Each

700.0000

18

360

Screw

	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
ST307		100			
	123525	100			
ST308		600			
	123352	600			
				360	ST 13-03-20

AN3-14A

Purchased

No

110

Each

101.0000

1

20

Bolt

	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
ST512		101			
	121708	1			
	122800	100			
				20	ST 13-03-20

NCR: Yes / No

DQA: _____ Date: _____

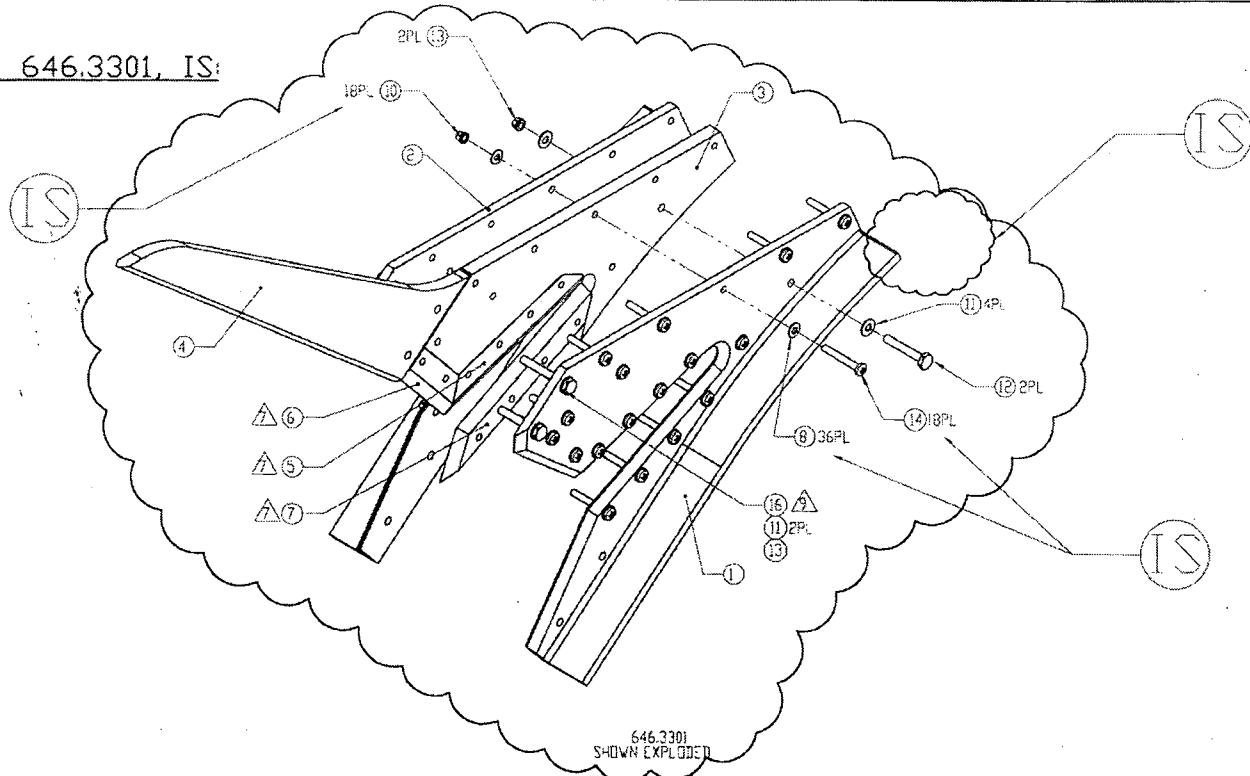
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Part No. _____			Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>					
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>	Equip/Tooling <input type="checkbox"/>	Operator <input type="checkbox"/>	Material <input type="checkbox"/>	Setup <input type="checkbox"/>	Other <input type="checkbox"/>	Process <input type="checkbox"/>	Supplier <input type="checkbox"/>	Training <input type="checkbox"/>	Unapproved <input type="checkbox"/>			
FAULT CATEGORY												
Landing Gear					General							
					Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube <input type="checkbox"/>	Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burr <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/>	Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabelled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/>	Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/>	Other <input type="checkbox"/>		

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02196			SHEET 1 OF 2	
	DWG NO. 646.3300	REV:N/C	PREPARED BY S. HUFF	DATE: 01/05/09	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.
DWG TITLE: UPPER CUTTER ASSY					
APPROVED BY:	ENGR 	MFG 	QC 	EFF:	NEXT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REMOVED RIVETS IN FAVOR OF ADDITIONAL SCREWS				

SHEET 1, VIEW 646.3301, IS:

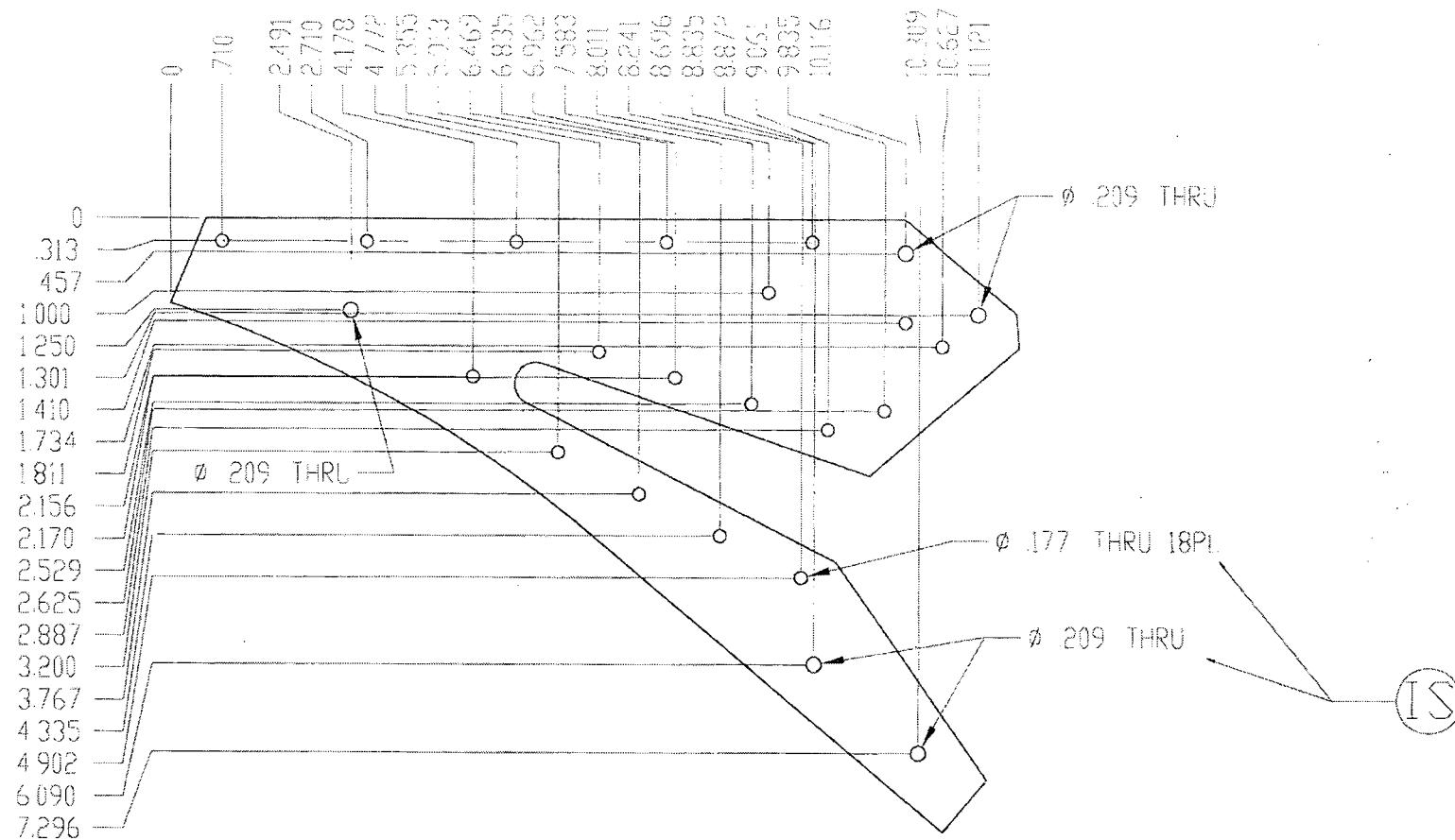


SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 93247 MLC

12-11-15

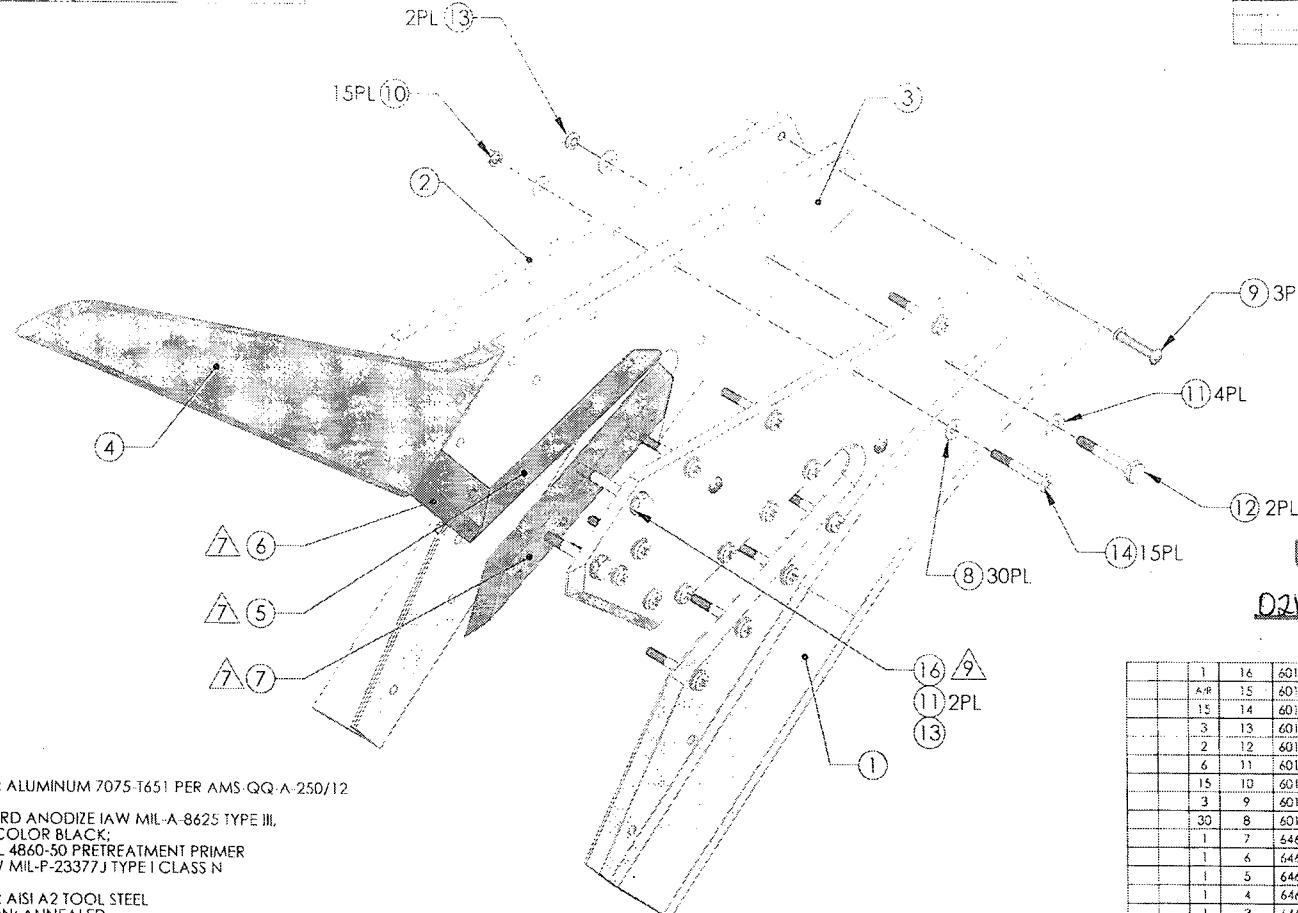
14	R	601.2765		18	SCREW	MS27039-0819									
10	R	601.1541		18	LOCKNUT	MS21042L08									
9	D	601.2766		3	RIVET	MS20470AD5-18									
8	R	601.2764		36	WASHER	NAS1149FN832P									
				.3301											
F/N	TC	PART NUMBER	QTY	DESCRIPTION		MATERIAL/SPECIFICATION									
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL	<input checked="" type="checkbox"/> INSTALL INSTRUC	<input checked="" type="checkbox"/> ICA	<input type="checkbox"/> FMS	<input checked="" type="checkbox"/> BOM	<input type="checkbox"/> CHANGE	<input type="checkbox"/> CATEGORY	<input type="checkbox"/> DER REVIEW REQUIRED	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input checked="" type="checkbox"/> MAJOR	<input checked="" type="checkbox"/> MINOR

SHEET 3, SECTION VIEW A-A, IS:

SECTION A-A

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL/SPECIFICATION

93247



UNINCORPORATED ECN(s)

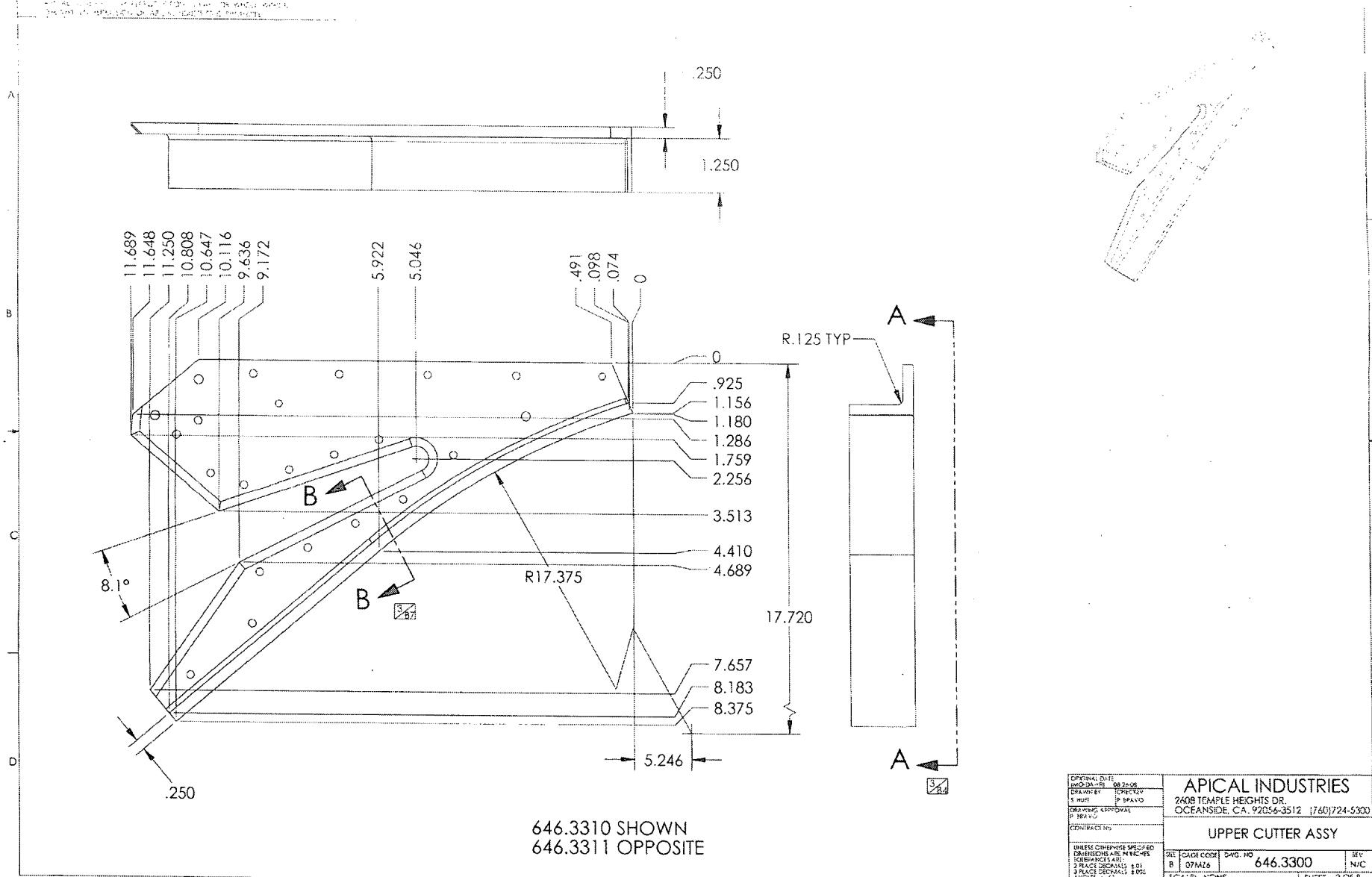
0219

NOTES:

- ▲ MATERIAL: ALUMINUM 7075-T651 PER AMS QQ-A-250/12
- ▲ FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III,
CLASS 2, COLOR BLACK;
CARDINAL 4860-50 PRETREATMENT PRIMER
PRIME IAW MIL-P-2337J TYPE I CLASS N
- ▲ MATERIAL: AISI A2 TOOL STEEL
CONDITION: ANNEALED
POST PROCESS: HEAT TREAT TO 58-62 RC ROCKWELL HARDNESS
- ▲ FINISH: PRIME IAW MIL-P-2337J TYPE I CLASS N
- 5. DEBURR AND BREAK ALL SHARP EDGES EXCEPT WHERE OTHERWISE NOTED
- 6. IDENTIFY IAW MPP-120
- ▲ APPLY F/N 15 AS REQUIRED TO ALL FAYING SURFACES OF F/N 5, 6 & 7 UPON ASSEMBLY
- ▲ CUTTING EDGE INTENDED TO BE SHARP, DO NOT BREAK SHARP EDGE
- ▲ INSTALL FASTENER FINGER-TIGHT

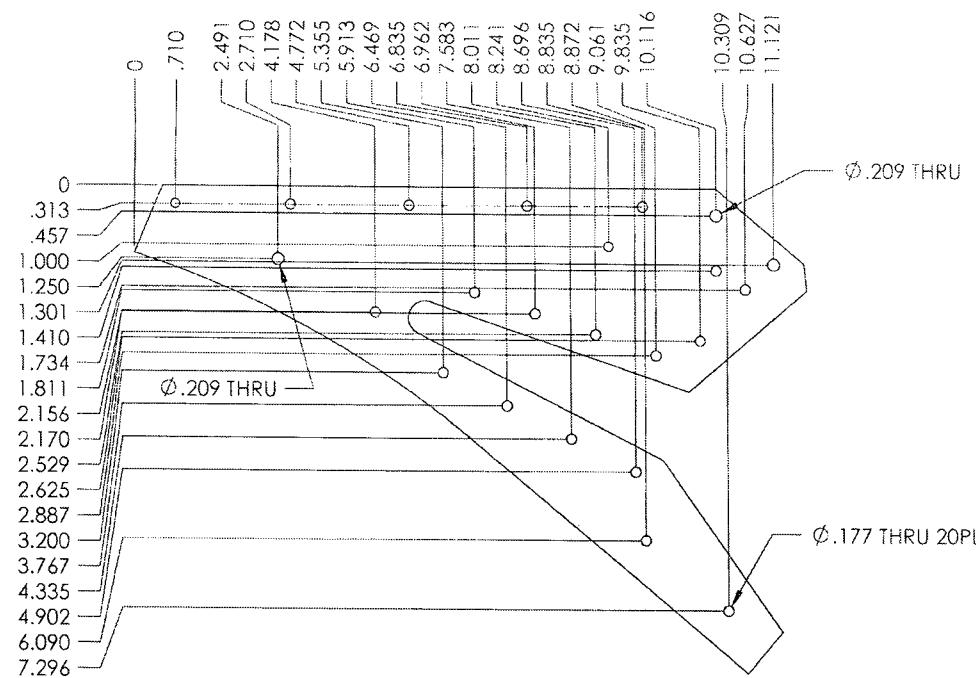
646.3301
SHOWN EXPLODED

93247



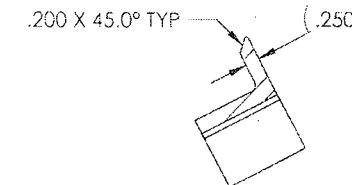
ORIGINAL DATE (MO.DA-18) 08-24-08	APICAL INDUSTRIES
DRAFTER	SPEC-R2V
1.0	P. SHAVO
DRAWING APPROVAL	P. SHAVO
CDN/FACT NO.	
UNLESS OTHERWISE SPECIFIED DRAWINGS ARE IN INCHES 2 PLACES DECIMALS 101 3 PLACES DECIMALS 1002 ANGLES 2' 5"	SCALE: NONE
DATE: 07/16/08	REV: N/C
CODE: 646.3300	SHFT: 2 OF 8

93247



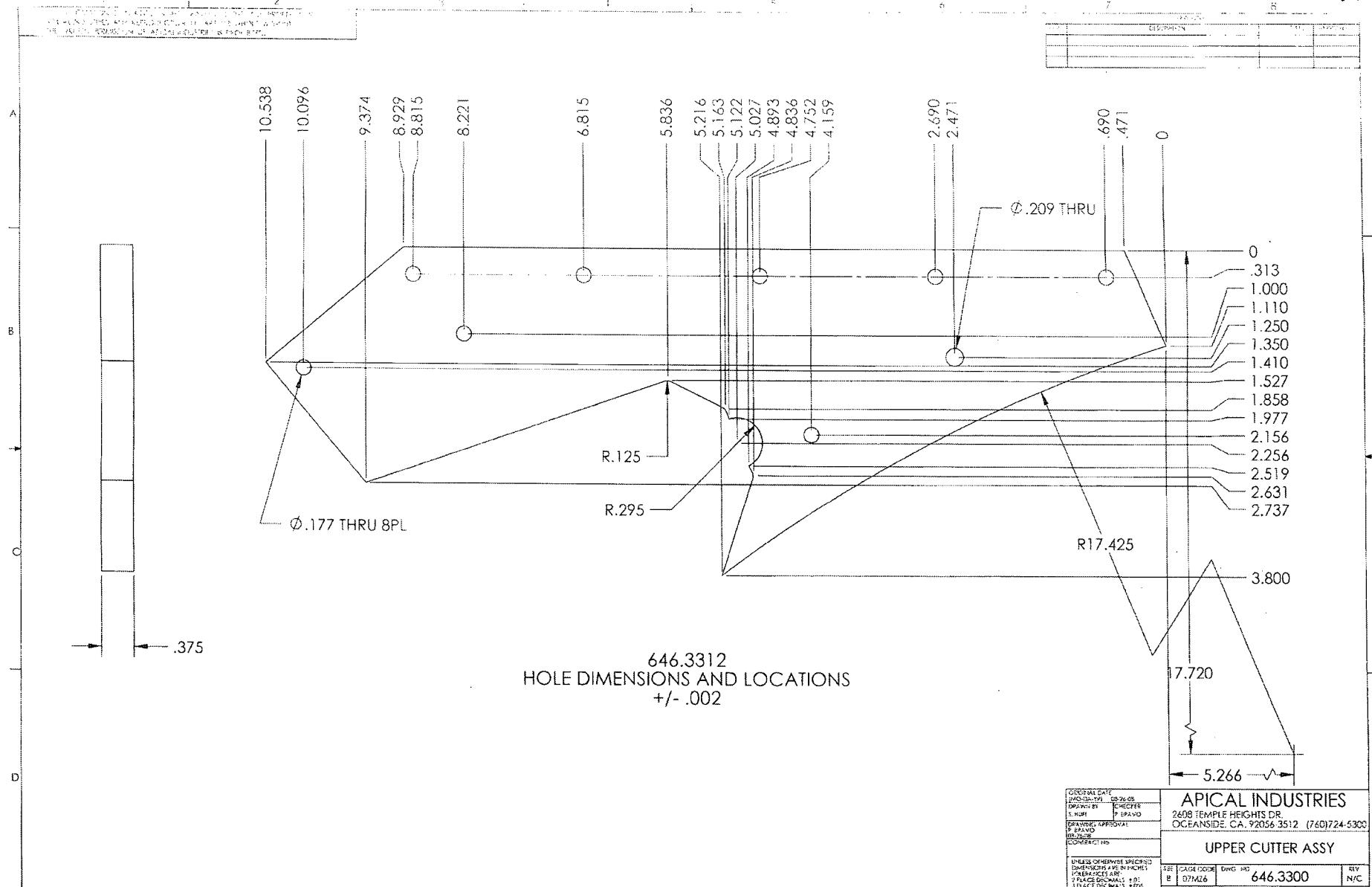
SECTION A-A

SECTION B-B

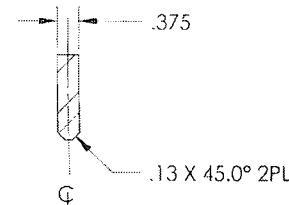
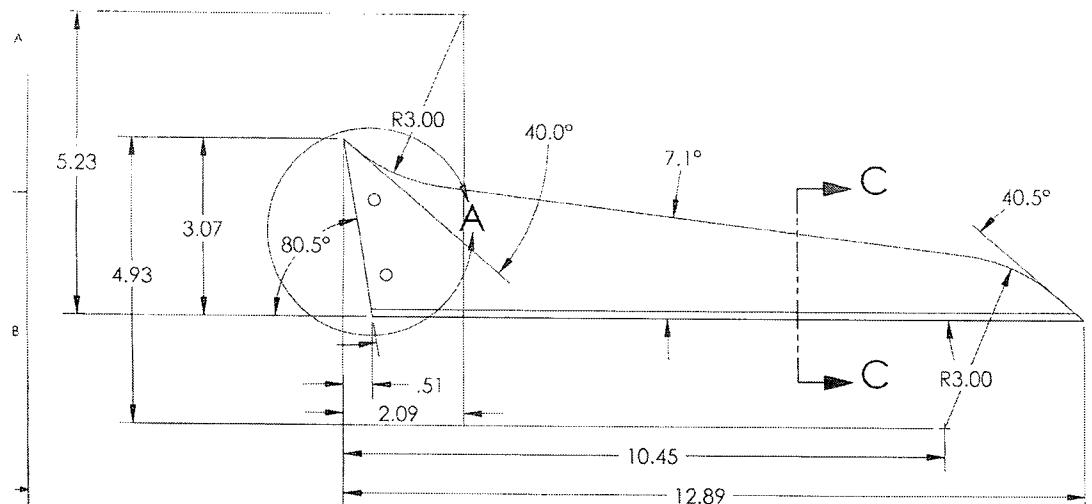


ORIGINAL DATE	APICAL INDUSTRIES
10/14/04	2600 TEMPLE HEIGHTS DR.
REVISED DATE	OCEANSIDE, CA 92056-3512 (760)724-5300
10/14/04	
NOT	PPAVD
DRAWING APPROVAL	
CONTRACT NO.	UPPER CUTTER ASSY
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES	
1 PLACES ARE 2 PLACES ARE 3 PLACES ARE 4 PLACES ARE ANGLES + 5°	
REV. CODE	REV. NO.
B	646.3300
07/16	
SCALE	NY
INCH	N/C
	SHEET 3 OF 6

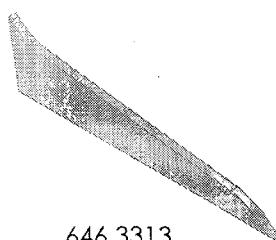
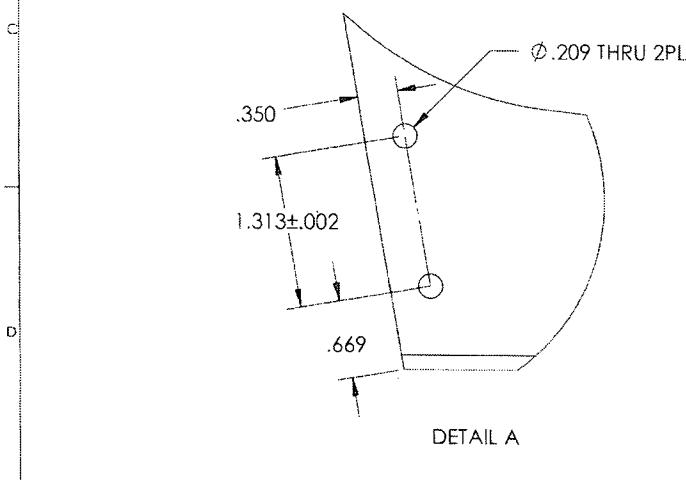
93247



93247

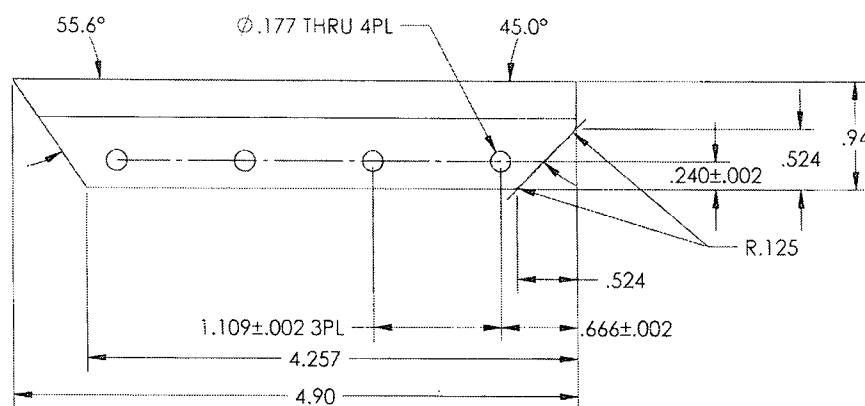
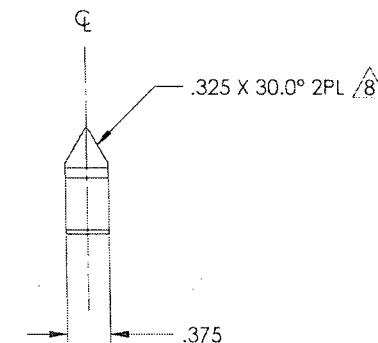
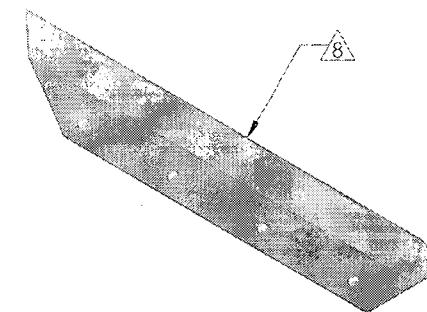


SECTION C-C



646.3313

93247

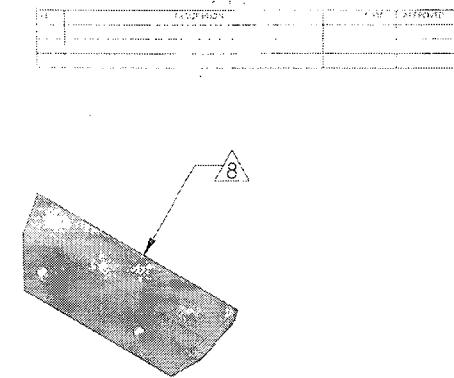
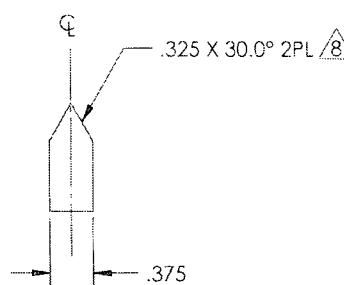
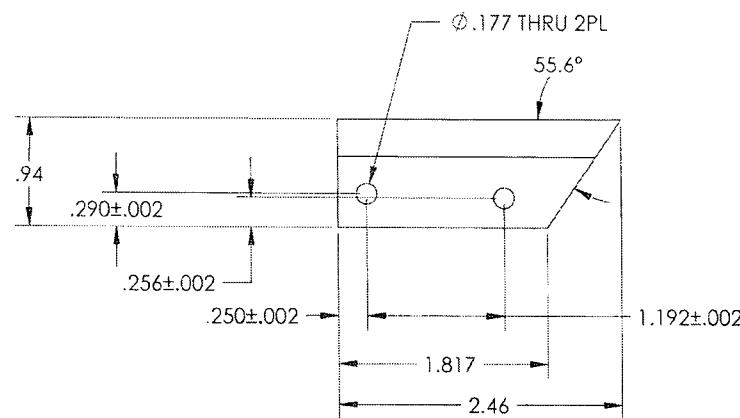


646.3314

ORIGINAL DATE 05-22-95	05-22-95
EXHIBIT #1 P. BRIAN	CHEC#09
EXHIBIT #2 P. BRIAN	4582511
EXHIBIT #3 P. BRIAN	4582511
CONTRACT NO.	
UPPER CUTTER ASSY	
UNITED JOHN PAUL PRECISION COPPER & BRASS CO., INC. 11111 FRANCIS ST. 11111 FRANCIS ST. 11111 FRANCIS ST. 11111 FRANCIS ST. 11111 FRANCIS ST.	<p>2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3312</p> <p>760/724-5303</p> <p>464,3300</p> <p>1 CREDIT 4 C/P N/C</p>
464,3300	464,3300
SCALAR INDONESIA	

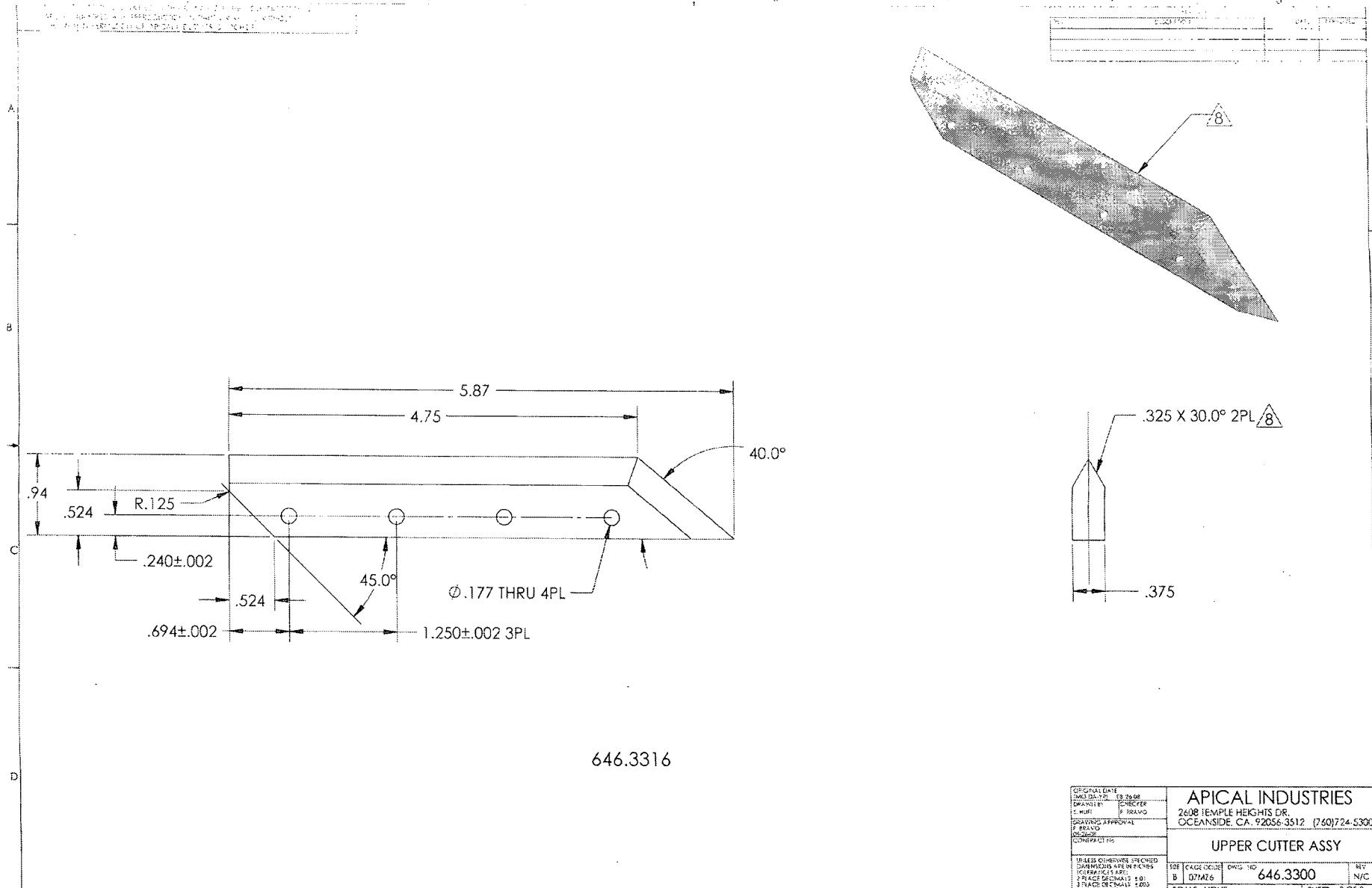
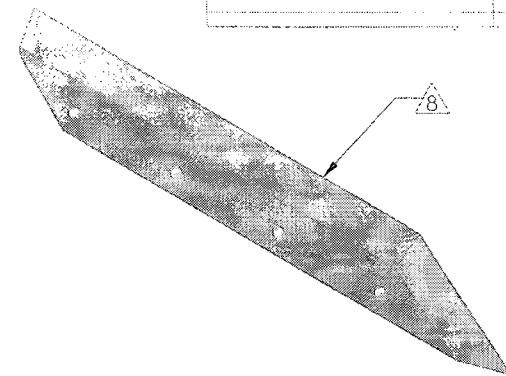
93247

ITEM	DESCRIPTION	QTY	UNIT	REMARKS
1		1	PC	
2		1	PC	
3		1	PC	
4		1	PC	



ORIGINAL DATE	10-10-02	REV.
DRAWN BY	J. CHAMBERS	
SPEC BY	P. SMITH	
INSTRUMENT APPROVAL	P. SMITH	
PRINTED BY	P. SMITH	
COMPUTER	PC	
APICAL INDUSTRIES		
2608 TEMPLE HEIGHTS DR.		
OCEANSIDE, CA 92056-3512 (760)724-5300		
UPPER CUTTER ASSY		
REF CAGE CODE	DMO NO.	REV.
B 07M16	646.3300	N/C
SCALE	None	SHEET 7 OF 8

93247



DATE: 08-26-08	APICAL INDUSTRIES
DESIGNER: J. H. CARRERA	2608 TEMPLE HEIGHTS DR.
REV: F. BRAVO	OCEANSIDE, CA. 92056-3512 (750)724-5300
SPRINGS APPROVAL	
PROD: F. BRAVO	
CONTRACT: FMS	
UPPER CUTTER ASSY	
ALL DIMENSIONS ARE IN INCHES	REF: CAGE NUMBER: 000-10
DIMENSIONS ARE IN INCHES	B 07MAZ6
1.250±.002 3PL	646.3300
3 PLACES OF EQUALS ±.003	N/C
ANCHORS 2.5"	SCALE: NONE
	1 SHEET 8 OF 8

